



PC25700A.ST25  
SEQUENCE LISTING

<110> Pfizer, Inc.  
Katugampola, Sidath Dhammika

<120> TREATMENT OF HYPERTENSION

<130> PC25700A

<150> 60/454,052

<151> 2003-03-12

<160> 6

<170> PatentIn version 3.2

<210> 1

<211> 1197

<212> DNA

<213> homo sapiens

<400> 1

atgcacaccg tggctacgtc cggacccaac gcgctctggg gggcaccggc caacgcctcc	60
ggctgcccgg gctgtggcgc caacgcctcg gacggcccag tcccttcgcc gcggggccgtg	120
gacgcctggc tcgtgccgct cttcttcgcg gcgctgatgc tgctgggcct ggtggggaac	180
tcgctggtca tctacgtcat ctgccgccac aagccgatgc ggaccgtgac caacttctac	240
atcgccaacc tggcgggccac ggacgtgacc ttcctcctgt gctgtgtccc cttcacggcc	300
ctgctgtacc cgctgcccgg ctgggtgctg ggcgacttca tgtgcaagtt cgtcaactac	360
atccagcagg tctcggtgca ggccacgtgt gccactctga ccgccatgag tgtggaccgc	420
tggtacgtga cgggtgtccc gttgcgcgcc ctgcaccgcc gcacgccccg cctggcgctg	480
gctgtcagcc tcagcatctg ggtaggctct gcggcggtgt ctgcgccggt gctcgccctg	540
caccgcctgt caccggggcc gcgcgcctac tgcagtgagg ctttccccag ccgcgcctg	600
gagcgcgcct tcgcactgta caacctgctg gcgctgtacc tgctgccgct gctcgccacc	660
tgcgccctgt atgcggccat gctgcgccac ctgggcccgg tcgccgtgcg ccccgcgcc	720
gccgatagcg ccctgcaggg gcaggtgctg gcagagcgcg caggcgccgt gcgggccaag	780
gtctcgcggc tgggtggcggc cgtggtcctg ctcttcgccg cctgctgggg ccccatccag	840
ctgttcctgg tgctgcaggc actgggcccc gcgggctcct ggcacccacg cagctacgcc	900
gcctacgcgc ttaagacctg ggctcactgc atgtcctaca gcaactccgc gctgaaccgc	960
ctgctctacg ccttcctggg ctgcacttc cgacaggcct tccgccgct ctgcccctgc	1020
gcgccgcgcc gccccgccg cccccgccg cccggaccct cggacccgc agccccacac	1080
gcggagctgc accgcctggg gtcccacccg gccccgccca gggcgagaa gccagggagc	1140
agtgggctgg ccgcgcgcgg gctgtgcgtc ctgggggagg acaacgcccc tctctga	1197

## PC25700A.ST25

<210> 2  
 <211> 1188  
 <212> DNA  
 <213> Rattus norvegicus

<400> 2  
 atggccgcag aggcgacgtt ggggccgaac gtgagctggt gggctccgtc caacgcttcg 60  
 ggatgcccgg gctgcggtgt caatgcctcg gatggcccag gctccgcgcc aaggcccctg 120  
 gatgcctggc tgggtcccct gtttttcgct gccctaattg tgctggggct agtcgggaac 180  
 tcaactggtca tcttcgttat ctgccgccac aagcacatgc agaccgtcac caatttctac 240  
 atcgctaacc tggcggccac agatgtcact ttccttctgt gctgcgtacc cttcaccgcg 300  
 ctctctatc cgctgccac ctgggtgctg ggagacttca tgtgcaaatt cgtcaactac 360  
 atccagcagg tctcggtgca agccacatgt gccactttga cagccatgag tgtggaccgc 420  
 tggtagctga ctgtgttccc gctgcgtgca cttcaccgcc gactccgcg cctggccctg 480  
 actgtcagcc ttagcatctg ggtgggttcc gcagctgttt ccgccccggt gctggctctg 540  
 caccgcctgt cgccccggcc tcacacctac tgcagtgagg cgtttcccag ccgtgccctg 600  
 gagcgcgctt tcgcgtcta caacctgctg gccctatacc tgctgccgt gctcgccacc 660  
 tgcgcctgt acggtgccat gctgcgccac ctgggccgcg ccgctgtacg ccccgacccc 720  
 actgatggcg ccctgcaggg gcagctgcta gcacagcgcg ctggagcagt gcgcaccaag 780  
 gtctcccggc tgggtggccgc tgtcgtcctg ctcttcgccg cctgctgggg cccgatccag 840  
 ctgttcctgg tgcttcaagc cctgccgctc gggggcctgg caccctcgaa gctatgcgcc 900  
 tacgcgtca agatctgggc tcaactgcatg tcctacagca attctgcgt caaccgcgtg 960  
 ctctatgcct tcctgggttc ccacttcaga caggccttct gccgcgtgtg cccctgcggc 1020  
 ccgcaacgcc agcgtcggcc ccacgcgtca gcgcactcgg accgagccgc accccatagt 1080  
 gtgccgcaca gccgggctgc gcaccctgtc cgggtcagga cccccagcc tgggaaccct 1140  
 gtggtgcact cgccctctgt tcaggatgaa cacactgccc cactctga 1188

<210> 3  
 <211> 1191  
 <212> DNA  
 <213> Mus musculus

<400> 3  
 atggccaccg aggcgacatt ggctcccaat gtgacctggt gggctccgtc caacgcttca 60  
 ggatgcccag gctgcggtgt caacgcctcg gatgaccag gctctgcgcc aaggcccctg 120  
 gatgcctggc tggttcccct gtttttcgct aactcatgt tgcttgggct ggtcggaac 180  
 tcattggtca tctacgttat ctgccgccac aagcacatgc agacagttac caacttctac 240  
 atcgctaacc tggctgccac agacgtcact ttcctactgt gctgcgtgcc cttcaccgca 300

## PC25700A.ST25

```

ctcctctacc cgctgcccgc ctgggtgctg ggagacttca tgtgcaaatt cgtcaactac 360
atccagcagg tctcggtgca agccacatgt gccactctga cggccatgag tgtggaccgc 420
tggtatgtga ctgtgttccc gctgctgca cttcaccgcc gactccgcg cctggccctg 480
gctgtcagcc tcagcatctg ggtgggggtca gcagctgtgt ccgccccggt gctggccctg 540
caccgcctgt cgccagggcc tcgcacctac tgcagcgagg cgtttcccag ccgcgccctg 600
gagcgcgcct tcgcgtcta caacctgctg gctctatatc tgctgccgct gctcgccacc 660
tgcgccctgt acggcgccat gctgcgccac ctggggccgtg cggctgtacg ccccgacccc 720
actgacggcg ccctgcaggg acagctgcta gcacagcgcg ccggagcagt gcgcaccaag 780
gtctcccggc tggtagggcg tgctgtcctg ctcttcgccg cctgctgggg cccgatccag 840
ctgttcctgg tgcttcaagc cctggggcccc tcgggggcct ggcaccctcg aagctatgcc 900
gcctacgcgg tcaagatctg ggctcactgc atgtcctaca gcaactcggc gctcaatccg 960
ctgctctatg ccttcctggg ttcacacttc agacaggcct tctgccgctg gtgcccctgc 1020
tgccggcaac gccagcgccg gcccacacg tcagcgcaact cggaccgagc tgcaactcac 1080
actgtgccgc acagccgtgc tgcgcacct gtgcggatca ggagcccgga gcctgggaac 1140
cctgtggtgc gctcgccctg cgctcagagt gaacgcactg cctcactctg a 1191

```

```

<210> 4
<211> 398
<212> PRT
<213> Homo sapiens

```

```
<400> 4
```

```
Met His Thr Val Ala Thr Ser Gly Pro Asn Ala Ser Trp Gly Ala Pro
1          5          10          15
```

```
Ala Asn Ala Ser Gly Cys Pro Gly Cys Gly Ala Asn Ala Ser Asp Gly
          20          25          30
```

```
Pro Val Pro Ser Pro Arg Ala Val Asp Ala Trp Leu Val Pro Leu Phe
          35          40          45
```

```
Phe Ala Ala Leu Met Leu Leu Gly Leu Val Gly Asn Ser Leu Val Ile
50          55          60
```

```
Tyr Val Ile Cys Arg His Lys Pro Met Arg Thr Val Thr Asn Phe Tyr
65          70          75          80
```

```
Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val
          85          90          95
```

```
Pro Phe Thr Ala Leu Leu Tyr Pro Leu Pro Gly Trp Val Leu Gly Asp

```

100 105 110  
 Phe Met Cys Lys Phe Val Asn Tyr Ile Gln Gln Val Ser Val Gln Ala  
 115 120 125  
 Thr Cys Ala Thr Leu Thr Ala Met Ser Val Asp Arg Trp Tyr Val Thr  
 130 135 140  
 Val Phe Pro Leu Arg Ala Leu His Arg Arg Thr Pro Arg Leu Ala Leu  
 145 150 155 160  
 Ala Val Ser Leu Ser Ile Trp Val Gly Ser Ala Ala Val Ser Ala Pro  
 165 170 175  
 Val Leu Ala Leu His Arg Leu Ser Pro Gly Pro Arg Ala Tyr Cys Ser  
 180 185 190  
 Glu Ala Phe Pro Ser Arg Ala Leu Glu Arg Ala Phe Ala Leu Tyr Asn  
 195 200 205  
 Leu Leu Ala Leu Tyr Leu Leu Pro Leu Leu Ala Thr Cys Ala Cys Tyr  
 210 215 220  
 Ala Ala Met Leu Arg His Leu Gly Arg Val Ala Val Arg Pro Ala Pro  
 225 230 235 240  
 Ala Asp Ser Ala Leu Gln Gly Gln Val Leu Ala Glu Arg Ala Gly Ala  
 245 250 255  
 Val Arg Ala Lys Val Ser Arg Leu Val Ala Ala Val Val Leu Leu Phe  
 260 265 270  
 Ala Ala Cys Trp Gly Pro Ile Gln Leu Phe Leu Val Leu Gln Ala Leu  
 275 280 285  
 Gly Pro Ala Gly Ser Trp His Pro Arg Ser Tyr Ala Ala Tyr Ala Leu  
 290 295 300  
 Lys Thr Trp Ala His Cys Met Ser Tyr Ser Asn Ser Ala Leu Asn Pro  
 305 310 315 320  
 Leu Leu Tyr Ala Phe Leu Gly Ser His Phe Arg Gln Ala Phe Arg Arg  
 325 330 335  
 Val Cys Pro Cys Ala Pro Arg Arg Pro Arg Arg Pro Arg Arg Pro Gly  
 340 345 350

PC25700A.ST25

Pro Ser Asp Pro Ala Ala Pro His Ala Glu Leu His Arg Leu Gly Ser  
355 360 365

His Pro Ala Pro Ala Arg Ala Gln Lys Pro Gly Ser Ser Gly Leu Ala  
370 375 380

Ala Arg Gly Leu Cys Val Leu Gly Glu Asp Asn Ala Pro Leu  
385 390 395

<210> 5  
<211> 395  
<212> PRT  
<213> Rattus norvegicus

<400> 5

Met Ala Ala Glu Ala Thr Leu Gly Pro Asn Val Ser Trp Trp Ala Pro  
1 5 10 15

Ser Asn Ala Ser Gly Cys Pro Gly Cys Gly Val Asn Ala Ser Asp Gly  
20 25 30

Pro Gly Ser Ala Pro Arg Pro Leu Asp Ala Trp Leu Val Pro Leu Phe  
35 40 45

Phe Ala Ala Leu Met Leu Leu Gly Leu Val Gly Asn Ser Leu Val Ile  
50 55 60

Phe Val Ile Cys Arg His Lys His Met Gln Thr Val Thr Asn Phe Tyr  
65 70 75 80

Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val  
85 90 95

Pro Phe Thr Ala Leu Leu Tyr Pro Leu Pro Thr Trp Val Leu Gly Asp  
100 105 110

Phe Met Cys Lys Phe Val Asn Tyr Ile Gln Gln Val Ser Val Gln Ala  
115 120 125

Thr Cys Ala Thr Leu Thr Ala Met Ser Val Asp Arg Trp Tyr Val Thr  
130 135 140

Val Phe Pro Leu Arg Ala Leu His Arg Arg Thr Pro Arg Leu Ala Leu  
145 150 155 160

Thr Val Ser Leu Ser Ile Trp Val Gly Ser Ala Ala Val Ser Ala Pro  
165 170 175

PC25700A.ST25

Val Leu Ala Leu His Arg Leu Ser Pro Gly Pro His Thr Tyr Cys Ser  
180 185 190

Glu Ala Phe Pro Ser Arg Ala Leu Glu Arg Ala Phe Ala Leu Tyr Asn  
195 200 205

Leu Leu Ala Leu Tyr Leu Leu Pro Leu Leu Ala Thr Cys Ala Cys Tyr  
210 215 220

Gly Ala Met Leu Arg His Leu Gly Arg Ala Ala Val Arg Pro Ala Pro  
225 230 235 240

Thr Asp Gly Ala Leu Gln Gly Gln Leu Leu Ala Gln Arg Ala Gly Ala  
245 250 255

Val Arg Thr Lys Val Ser Arg Leu Val Ala Ala Val Val Leu Leu Phe  
260 265 270

Ala Ala Cys Trp Gly Pro Ile Gln Leu Phe Leu Val Leu Gln Ala Leu  
275 280 285

Pro Leu Gly Gly Leu Ala Pro Ser Lys Leu Cys Ala Tyr Ala Leu Lys  
290 295 300

Ile Trp Ala His Cys Met Ser Tyr Ser Asn Ser Ala Leu Asn Pro Leu  
305 310 315 320

Leu Tyr Ala Phe Leu Gly Ser His Phe Arg Gln Ala Phe Cys Arg Val  
325 330 335

Cys Pro Cys Gly Pro Gln Arg Gln Arg Arg Pro His Ala Ser Ala His  
340 345 350

Ser Asp Arg Ala Ala Pro His Ser Val Pro His Ser Arg Ala Ala His  
355 360 365

Pro Val Arg Val Arg Thr Pro Glu Pro Gly Asn Pro Val Val His Ser  
370 375 380

Pro Ser Val Gln Asp Glu His Thr Ala Pro Leu  
385 390 395

<210> 6  
<211> 396  
<212> PRT  
<213> Mus musculus  
<400> 6

## PC25700A.ST25

Met Ala Thr Glu Ala Thr Leu Ala Pro Asn Val Thr Trp Trp Ala Pro  
 1 5 10 15  
 Ser Asn Ala Ser Gly Cys Pro Gly Cys Gly Val Asn Ala Ser Asp Asp  
 20 25 30  
 Pro Gly Ser Ala Pro Arg Pro Leu Asp Ala Trp Leu Val Pro Leu Phe  
 35 40 45  
 Phe Ala Thr Leu Met Leu Leu Gly Leu Val Gly Asn Ser Leu Val Ile  
 50 55 60  
 Tyr Val Ile Cys Arg His Lys His Met Gln Thr Val Thr Asn Phe Tyr  
 65 70 75 80  
 Ile Ala Asn Leu Ala Ala Thr Asp Val Thr Phe Leu Leu Cys Cys Val  
 85 90 95  
 Pro Phe Thr Ala Leu Leu Tyr Pro Leu Pro Ala Trp Val Leu Gly Asp  
 100 105 110  
 Phe Met Cys Lys Phe Val Asn Tyr Ile Gln Gln Val Ser Val Gln Ala  
 115 120 125  
 Thr Cys Ala Thr Leu Thr Ala Met Ser Val Asp Arg Trp Tyr Val Thr  
 130 135 140  
 Val Phe Pro Leu Arg Ala Leu His Arg Arg Thr Pro Arg Leu Ala Leu  
 145 150 155 160  
 Ala Val Ser Leu Ser Ile Trp Val Gly Ser Ala Ala Val Ser Ala Pro  
 165 170 175  
 Val Leu Ala Leu His Arg Leu Ser Pro Gly Pro Arg Thr Tyr Cys Ser  
 180 185 190  
 Glu Ala Phe Pro Ser Arg Ala Leu Glu Arg Ala Phe Ala Leu Tyr Asn  
 195 200 205  
 Leu Leu Ala Leu Tyr Leu Leu Pro Leu Leu Ala Thr Cys Ala Cys Tyr  
 210 215 220  
 Gly Ala Met Leu Arg His Leu Gly Arg Ala Ala Val Arg Pro Ala Pro  
 225 230 235 240  
 Thr Asp Gly Ala Leu Gln Gly Gln Leu Leu Ala Gln Arg Ala Gly Ala  
 245 250 255

PC25700A.ST25

Val Arg Thr Lys Val Ser Arg Leu Val Ala Ala Val Val Leu Leu Phe  
 260 265 270  
 Ala Ala Cys Trp Gly Pro Ile Gln Leu Phe Leu Val Leu Gln Ala Leu  
 275 280 285  
 Gly Pro Ser Gly Ala Trp His Pro Arg Ser Tyr Ala Ala Tyr Ala Val  
 290 295 300  
 Lys Ile Trp Ala His Cys Met Ser Tyr Ser Asn Ser Ala Leu Asn Pro  
 305 310 315 320  
 Leu Leu Tyr Ala Phe Leu Gly Ser His Phe Arg Gln Ala Phe Cys Arg  
 325 330 335  
 Val Cys Pro Cys Cys Arg Gln Arg Gln Arg Arg Pro His Thr Ser Ala  
 340 345 350  
 His Ser Asp Arg Ala Ala Thr His Thr Val Pro His Ser Arg Ala Ala  
 355 360 365  
 His Pro Val Arg Ile Arg Ser Pro Glu Pro Gly Asn Pro Val Val Arg  
 370 375 380  
 Ser Pro Cys Ala Gln Ser Glu Arg Thr Ala Ser Leu  
 385 390 395